

MATERIAL SAFETY DATA SHEET

1. Product And Company Identification			
Supplier ARCH CHEMICALS INC. 501 MERRITT 7 NORWALK CT 06856 UNITED STATES TELEPHONE NUMBER: (800) 511-MSDS TELEPHONE NUMBER: (800) 654-6911	Manufacturer Advantis Technologies, Inc. 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States Telephone Number: (770) 521-5999 FAX Number: (770) 521-5959 Web Site: www.poolspacare.com		
ISSUE DATE: 03/12/2003 PRODUCT NAME: HTH® ALGAE FREE™ ALGAESIDE MSDS FILE NUMBER: 05030-9002-66106 Chemical Name: Copper and Nitrogen compounds CAS Number: Not Established Chemical Family: Copper Alkanolamine Complex Chemical Formula: Proprietary Mixture			
2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
COPPERCARBONATE	12069-69-1		
MONOETHANOLAMINE	141-43-5		
TRIETHANOLAMINE	102-71-8		
Ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% or more of the composition. Materials identified as carcinogens are listed if they comprise 0.1% or more of the composition. Information on proprietary materials is available in 29CFR 1910.1200(i)(1).			
3. Hazards Identification			
Primary Route(s) Of Entry Eye Contact, Skin Contact			
Eye Hazards Causes eye irritation.			
Skin Hazards Corrosive to skin. Adverse effects are not expected from brief skin contact.			
Ingestion Hazards May cause burning of mouth, throat and stomach with abdominal and chest pain, nausea, vomiting, diarrhea, thirst, weakness, and collapse. Aspiration may occur during swallowing or vomiting, resulting in lung damage. If ingested, get immediate medical attention			
Inhalation Hazards May cause coughing and discomfort to eyes nose and throat, and chest.			
Signs And Symptoms Contact with skin and eyes may be irritating.			

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First Aid (Pictograms)



4. First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

Skin

In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Thoroughly clean shoes before reuse. Wash clothing before reuse.

Ingestion

Give two glasses of water but do not induce vomiting. This material is corrosive. If vomiting occurs, give fluids again. Get medical attention immediately.

Inhalation

Do not give an unconscious person anything to drink. Get medical attention immediately. If breathing is difficult, give oxygen. If inhaled, remove to fresh air.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: n/a °F

Extinguishing Media

Use CO2 (Carbon Dioxide), dry chemical, or foam.

Fire Fighting Instructions

Avoid breathing vapors, gases and fumes. Firefighters should wear self-contained breathing apparatus and full protective gear. Water can be used to cool and protect exposed material.

6. Accidental Release Measures

Clean up spill immediately. Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Flood with water. Use appropriate containers to avoid environmental contamination.

Handling & Storage (Pictograms)



7. Handling And Storage

Handling And Storage Precautions

Keep out of reach of children. Use only with adequate ventilation. Wash thoroughly after handling.

Handling Precautions

Avoid contact with eyes. Avoid contact with skin and clothing. Avoid contact with eyes. Avoid contact with skin and clothing. Avoid contact with strong acids and nitrates

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7. Handling And Storage - Continued

Storage Precautions

Keep out of reach of children.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling. Use safe chemical handling procedures suitable for the hazards presented by this material.

8. Exposure Controls/Personal Protection

Engineering Controls

Local exhaust recommended.

Eye/Face Protection

Safety glasses with side shields or goggles.

Skin Protection

Chemical-resistant gloves.

Respiratory Protection

None normally required.

9. Physical And Chemical Properties

Appearance

Blue viscous liquid

Odor

Slight

Chemical Type: Mixture

Physical State: Liquid

Melting Point: N/A °F

Boiling Point: 212 °F

Specific Gravity: 1.0-1.2

Percent Volatiles: NOT DETERMINED

Vapor Pressure: NOT DETERMINED

Solubility: Complete

Evaporation Rate: <1

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

Excessive heat. Thermal decomposition may occur.

Incompatible Materials

Acids and Nitrites

Hazardous Decomposition Products

Oxides of Nitrogen and Carbon and Hydrogen Chloride

11. Toxicological Information

No Data Available...

12. Ecological Information

No Data Available...

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13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

Proper Shipping Name

CORROSIVE LIQUID, N.O.S.(Copper Ethanolamine Complex)

Hazard Class

8, PG III (<=4L Consumer Commodity ORM-D)

DOT Identification Number

UN1760

DOT (Pictograms)



15. Regulatory Information

No Data Available...

NFPA



HMIS

HEALTH	2
FLAMMABILITY	1
REACTIVITY	1
PERSONAL PROTECTION	B

16. Other Information This is a new formulation

Revision/Preparer Information

MSDS Preparer: JHW3

This MSDS Superceeds A Previous MSDS Dated: 07/17/2000

Disclaimer

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